

Hortgro Symposium

3 - 7 June 2019

NH The Lord Charles Hotel,
Somerset West

Monday, 3 June 2019

Pome Fruit Field Day – Ceres

08:00 – 08:30	REGISTRATION Directions: From Ceres, take R303, to Op-die-Berg village. In village, turn left into Bergsig Street, church will be on your right.	Op-die-Berg Dutch Reformed Church Hall
08:30	First departures to site visits	Every site visit approximately one hour including traveling time
09:00	Kromfontein	Erik Conradie and Louis Reynolds on high-density M7 and comparison of different upside down micros
10:00	Bronaar	Piet Immelman - drought recovery of apple trees
11:00	Rietfontein	Piet Nieuwoudt – Envy on M7 and pruning
12:00	Weltevrede	Mico Stander – Forelle and Abate Fetel on BA 29 and drip

Tuesday, 4 June 2019

Crop Production Day

Session One:

Chair: Dr Ilse Trautmann, WCDA

08:30 – 09:00	REGISTRATION	
09:00 – 09:10	Welcome	Hugh Campbell, Hortgro
09:10 – 09:50	Post-election political perspective	Prof William Gumede, School of Governance at the University of the Witwatersrand

09:50 – 10:40	World water challenges and Israeli technological advances	Prof Elion Adar, Zuckerberg Institute for Water Research & Ben-Gurion University of the Negev Desert, Israel
10:40 – 11:00	Apple growing in South Tyrol	Dr Alberto Dorigoni, The Edmund Mach Foundation, Italy
11:00 – 11:10	Questions	
11:10 – 11:40	TEA	

Session Two: **Chair: Angelique Zeelie, Fruitways**

This session is sponsored by:



11:40 – 12:00	Managing water in a drought situation and where water quality is an issue	Francois Rossouw, Mooigezicht Farm
12:00 – 12:20	Reducing carbon emissions on farms via improved water management	Koos Bouwer, Koos Bouwer Consulting
12:20 – 12:50	Tree crop nutrition with the emphasis on managing nutrient concentrations in the root zone of the crop – influence on uptake	Stephan Schoeman, Soetkalmoes Konsultasie & Leon Horn, Netafim
12:50 – 13:35	Management of ground water resources	Prof Elion Adar, Zuckerberg Institute for Water Research & Ben-Gurion University of the Negev Desert, Israel
13:35 – 13:45	Questions	
13:45 – 14:25	LUNCH	

Session Three: **Chair: Willie Kotze, Dutoit Agri**

This session is sponsored by:



14:25 – 14:30	Daan Strydom Prize – Best student in Horticulture	
14:30 – 15:00	New tree training systems	Dr Alberto Dorigoni, The Edmund Mach Foundation, Italy

15:00 – 15:20	The principles of fruit set	Prof Karen Theron, Stellenbosch University
15:20 – 15:40	Effect of the extended bloom period on fruit quality	Dr Esmé Louw, Stellenbosch University
15:40 – 16:00	Plant your area full, don't grow your area full	Anton Müller, Kromco
16:00 – 16:10	Questions	

Wednesday, 5 June 2019

Crop Protection Day

Session One: Chair: Matthew Addison, Hortgro

08:30 – 09:00 REGISTRATION

This session is sponsored by:



09:00 – 09:10	Welcome	Chair
09:10 – 09:45	Analysis of the tephritid fruit fly invasion of California: Research opportunities and policy implications for South Africa	Distinguished Professor James Carey, University of California, Davis
09:45 – 10:00	Fruit fly in South Africa	Elsje Schreuder, Fruitfly Africa
10:00 – 10:20	How do you optimise the available tools to achieve the required control of fruit fly in a South African context	Tom Labuschagne, Chempac
10:20 – 10:40	Biological control of fruit fly – what's happening and what is in the pipeline	Dr Pia Addison, Stellenbosch University
10:40 – 11:00	SA plans to mitigate against the EU's proposed changes to non-EU fruit fly for stone fruit	Pierre Rossouw, Stems Fruit
11:00 - 11:10	Questions	
11:10 – 11:50	TEA	

Session Two: Chair: Stephen Rabe, SR Consult

This session is sponsored by:



11:50 – 12:50	Land Reform Panel Discussion	Chris Burgess, Landbou Weekblad
12:50 – 13:20	Pollinator safety in fruit production integrated pest management	Dr Gerhard Verdoorn, CropLife
13:20 – 13:40	Some like it hot: winners and losers of climate change	Dr Minette Karsten, Stellenbosch University
13:40 – 13:50	Questions	
13:50 – 14:20	LUNCH	

Session Three: Chair: Andrew Hackin, Ad Lucem

14:20 – 14:40	The MABO-dosing model as a cost effective alternative to the conventional use of the Unrath tree-row-volume model in high density apple orchards of South Africa	Philip Rebel, ProCrop
14:40 – 15:00	Spray application under nets	Gideon van Zyl, ProCrop
15:00 – 15:20	RIMPRO: Pest and disease modelling for integrated pest management	Bekker Wessels, ProCrop

Thursday, 6 June 2019

Postharvest Day

Session One:		Chair: Jacques du Preez, Hortgro
08:15 – 09:00	REGISTRATION	
09:00 – 09:10	Welcome	Chair
09:10 – 09:40	Rewriting the rules: how Brexit, the US and China are changing international trade	Stephanie van der Walt, AgBiz Fruit
09:40 – 10:10	The low-down on Eskom and power supply into the near future	Paul Nel, Aurecon Group
10:10 – 10:40	The multi-dimensional nature of the Plastic Pollution challenge: Key issues, plastic consumption in the fruit industry and exploring collaborative solutions across value chains	Lorren de Kock, WWF
10:40 – 10:50	Questions	Chair
10:50 – 11:20	TEA	

Session Two:		Chair: Grant Smuts, Smuts Brothers
11:20 – 11:40	Humidity control (product related) and storage of pear (minimizing moisture loss)	a van de Geijn, Wageningen Food & Biobased Research
11:40 – 12:00	Reasons for the variance in shrivel susceptibility of plums between cultivars, seasons and fruit	Dr Imke Kritzing, Stellenbosch University
12:00 – 12:20	Edible coatings on stone fruit	Dr Ola Fawole, Stellenbosch University
12:20 – 12:40	Stopping the rot: Stone fruit fungicide application gone bad	Arrie de Kock, ExperiCo
12:40 – 12:50	Questions	Chair
12:50 – 13:30	LUNCH	

Session Three:		Chair: Angelique Marais, Fruitways
13:30 – 13:50	Status of postharvest fumigation for phytosanitary issues	Dr Shelley Johnson, Stellenbosch University
13:50 – 14:10	Dynamic control (all systems, starting with DCS (sampling ethanol), ethanol censoring, ending with ACR)	Frank van de Geijn, Wageningen Food & Biobased Research
14:10 – 14:30	Browning in Fuji – Role of fruit porosity	Kenias Chigwaya, Stellenbosch University
14:30 – 14:50	Mealiness in Forelle – Role of fruit porosity	Dr Elke Crouch, Stellenbosch University

14:50 – 15:10	Potential uses of Harvista™ as harvest and postharvest management tool	Dr Ian Crouch and Daniel Viljoen, ExperiCo
15:10 – 15:20	Questions	Chair

Friday, 7 June 2019

"Fruit Farming 101 – Post-Harvest"

Aimed at Growers, particularly new entrants to the Deciduous Fruit industry.

This day is sponsored by:



Western Cape
Government
Agriculture

BETTER TOGETHER.

Session One:

Chair: Mogale Sebopetsa, WCDA

08:15 – 08:45	REGISTRATION	
08:45 – 09:00	Welcome	Thembi Xaba, CEO DFDC
09:00 – 09:30	Why does one have to store fruit – market requirements Distance from the market / requirements of the trade – continuity of supply / filling marketing gaps / cold steri / fruit quality and taste / etc	Jacques du Preez and Mariette Kotze, Hortgro
09:30 – 10:10	Basic principles of post-harvest Fruit is a living organism / climacteric vs non climacteric / physiology / more of the why	Dr Elke Crouch, Stellenbosch University
10:10 – 10:35	What are the tools available to maintain fruit quality after harvest	Dr Elke Crouch, Stellenbosch University
10:35 – 10:45	Questions	Chair
10:45 – 11:15	TEA	

Session Two:

Chair: Thembi Xaba, DFDC

11:15 – 11:20	GOLD SPONSOR – The Western Cape Department of Agriculture	
11:20 – 11:35	Stone fruit disorders: <u>Plums:</u> GB, IB, Shrivel, Over-ripe, Heat damage, Decay, etc	Handre Viljoen, ExperiCo
11:35 – 11:50	Stone fruit disorders: <u>P&N:</u> Wooliness, Pulpiness, IB, Over-ripe, Mixed maturities, Decay, etc	Arrie de Kock, ExperiCo
11:50 – 12:00	Stone fruit disorders: <u>Apricots:</u> GB, Over-ripe, Shrivel, Decay etc	Arrie de Kock, ExperiCo
12:00 – 12:20	Pome fruit disorders: <u>Apples:</u> Scald (superficial / soft / etc), IB,	Dr Ian Crouch, ExperiCo

	Lenticel, Bruising, CA – Bitterpit, cracking, shrivel, rub marks, chilling / freezing injury, etc	
12:20 – 12:40	Pome fruit disorders: <u>Pears:</u> Scald (superficial / soft / etc), IB, Bruising, , shrivel, rub marks, mealiness, chilling / freezing injury, etc	Dr Ian Crouch, ExperiCo
12:40 – 12:50	Questions	Chair
12:50 – 13:30	LUNCH	

Session Three: Workstations (20 minutes at station, 5 minutes to move to next station)	
13:30 – 16:00	<ol style="list-style-type: none"> 1. Pome Fruit Maturity Indexing – Pieter de Vries and John Stone (Hortec) 2. Stone Fruit Harvesting (MI) – Arrie de Kock (ExperiCo), Charl Stander (Franschhoek Marketing) 3. Pome Fruit defects – Dr Elke Crouch (SU), Dr Ian Crouch (ExperiCo), Jaco Moelich (Fruitways), Henk Griessel (Tru-Cape) 4. Stone Fruit defects – Dr Olaniyi Fawole (SU) with assistance from Arrie de Kock (ExperiCo) 5. Taste / Sensory & Eating quality – Anel Botes (ARC) 6. ID Station: bring your problem fruit – Dr Elke Crouch (SU), Dr Ian Crouch (ExperiCo), Jaco Moelich (Fruitways), Henk Griessel (Tru-Cape)